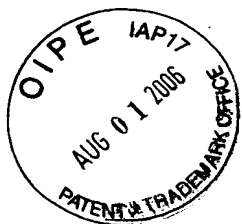


08-03-06

AF
TN

Attorney's Docket No.: 17120-002007 / 2401G



RESPONSE UNDER 37 CFR §1.116
--EXPEDITED PROCEDURE--
EXAMINING GROUP 1600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Cantor *et al.*
 Serial No. : 09/030,571
 Conf. No. : 7542
 Filed : February 24, 1998
 Title : **POSITIONAL SEQUENCING BY HYBRIDIZATION**

Art Unit : 1634
 Examiner : B. Forman
 Customer No.: 20985

MAIL STOP AF

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Dear Sir:

Transmitted herewith are an Amendment and Response in response to the Final Office Action, mailed June 19, 2006; supporting documents; and a return postcard in connection with the above-captioned patent application. If a Petition for extension of time is needed, this paper is to be considered such Petition.



The Commissioner is hereby authorized to charge the fee for the extension of time and any other fee that may be due in connection with this and the attached papers or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,
 Fish & Richardson P.C.

 Stephanie Seidman
 Reg. No. 33,779

Attorney Docket No. 17120-002007 / 2401G

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CERTIFICATE OF MAILING BY "EXPRESS MAIL"
 "Express Mail" Mailing Label Number EV 399316960 US
 Date of Deposit: **August 1, 2006**

I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Mail Stop Amendment, Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

 Stephanie Seidman



**RESPONSE UNDER 37 CFR §1.116
--EXPEDITED PROCEDURE--
EXAMINING GROUP 1600**

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AMENDMENT AND RESPONSE AFTER FINAL

Dear Sir:

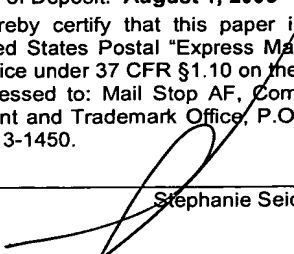
Responsive to the Final Office Action, mailed June 19, 2006, entry of the following amendments and remarks are respectfully requested. It is respectfully submitted that the amendments and arguments presented below either place the application into condition for allowance or reduce the number of issues for appeal. For example, the arguments presented below should obviate the rejections under 35 U.S.C. §112, second paragraph and 35 U.S.C. §102(b).

The pending claims are reflected in the listing of the claims which begin on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.

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Stephanie Seidman